		88888888888 888888888888 8888888888	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
III	111	888 888	RRR RRR	TTT	ili
iii	III	888 888	RRR RRR	ŤŤŤ	ili
LLL	III	888 888	RRR RRR	ŤŤŤ	iii
LLL	III	BBB BBB	RRR RRR	ŤŤŤ	III
LLL	III	888 888	RRR RRR	ŤŤŤ	iii
LLL	111	888 888	RRR RRR	ŤŤŤ	III
LLL	III	BBBBBBBBBBBB	RRRRRRRRRRR	TTT	LLL
LLL	III	BBBBBBBBBBB	RRRRRRRRRRR	TTT	LLL
LLL	III	8888888888	RRRRRRRRRRR	TTT	LLL
LLL	III	888 888	RRR RRR	TTT	LLL
LLL	III	888 888	RRR RRR	TTT	LLL
LLL	III	BBB BBB	RRR RRR	TTT	LLL
LLL	III	888 888	RRR RRR	TTT	LLL
LLL	III	888 888	RRR RRR	TTT	LLL
LLL	III	BBB BBB	RRR RRR	TTT	LLL
LLLLLLLLLLLLLLL	111111111	8888888888	RRR RRR	III	LLLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLL	IIIIIIIII	8888888888	RRR RRR	III	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	111111111	88888888888	RRR RRR	TTT	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL

LI

	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG		NN NN NN NN NN NN NN NN NN NN
	\$			

Page

(1)

```
H 8
16-Sep-1984 01:00:46
14-Sep-1984 12:38:58
LIBSGET_INPUT
                                                                                                                    VAX-11 Bliss-32 V4.0-742
CLIBRTL.SRCJLIBGETINP.B32;1
                                                                                                                                                                    Page
   SWITCHES
                               SWITCHES ADDRESSING MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
                               ! LINKAGES
                                     REQUIRE 'RTLIN: STRLNK':
                                                                          ! linkage for LIB$ANALYZE_SDESC_R2
                               ! TABLE OF CONTENTS:
                              FORWARD ROUTINE
LIBSGET_INPUT,
LIBSGET_COMMAND,
DO_GET;
                                                                          ! Get string from device SYS$INPUT
! Get string from device SYS$COMMAND
! Common rout. to do main part of above.
                               ! INCLUDE FILES:
                               REQUIRE 'RTLIN:RTLPSECT':
                                                                                 ! Define DECLARE_PSECTS macro
                                                            ! STARLET library for macros and symbols
                               LIBRARY 'RTLSTARLE':
                                 MACROS:
                                  EQUATED SYMBOLS:
                               LITERAL
                                                                          ! Max. size of dynamic string which can ! be handled before truncation
                                     K_DYN_STR_MAX = 256;
                                 PSECT DECLARATIONS:
                               DECLARE_PSECTS (LIB);
                                                                        ! declare PSECTs for LIB$ facility
                                  OWN STORAGE:
                                     SYS_INPUT_ISI : WORD INITIAL (0);
SYS_COMMAND_ISI : WORD INITIAL (0);
                                                                                               ! ISI for SYS$INPUT ! ISI for SYS$COMMAND
                                  EXTERNAL REFERENCES:
                               EXTERNAL ROUTINE
```

LIBSGET_INPUT		16-Sep-1984 01:00:46 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:38:58 [LIBRTL.SRC]LIBGETINP.B32;1	Page (2
157 158 159 160 161 162 163 164 165	0434 0435 0436 0437 0438 0439 0440 0441 0442	LIBSANALYZE_SDESC_R2 : LIBSANALYZE_SDESC_JSB_LINK, ! Extract length and address of ! 1st data byte ! from descriptor LIBSSCOPY_R_DX6 : STRING_JSB ; ! Copy to any class string EXTERNAL ! LIB FATAL ERROR IN LIBRARY LIBS_INPSTRTRU; ! LIB INPUT STRING TRUNCATED	

LI!

Page

```
16-Sep-1984 01:00:46
14-Sep-1984 12:38:58
LIBSGET_INPUT
                                                                                                                        VAX-11 Bliss-32 V4.0-742
LLIBRTL.SRCJLIBGETINP.832;1
                                                                                                                                                                         Page
                                          SS$_NORMAL if success.
   LIB$_INPSTRTRU if input string is bigger than the caller's fixed length string.

LIB$_INVSTRDES if the input descriptor's class is not a recognized string class.
                                           RMS$_xyz if any RMS error.
                     SIDE EFFECTS:
                                         Opens file SYS$INPUT on first call and remembers ISI for
                                   subsequent calls.
                                      BEGIN
                                      BUILTIN
                                           NULLPARAMETER:
                                      RETURN DO GET (.GET_STRING, ! String to return (IF NULLPARAMETER (2) THEN O ELSE .PROMPT_STRING),! Optional
                                                                                                                        prompt
                                                 (IF NULLPARAMETER (3) THEN O ELSE .OUTLEN),
                                                                                                               Optional
                                                                                                                number of
                                                                                                                bytes returned
                                                                               internal stream id for SYS$INPUT
length of SYS$INPUT stirng
! name to open first time
                                                 SYS_INPUT_ISI,
                                                 UPLIT ('SYS$INPUT'));
                                      END:
                                                                            ! End of LIB$GET_INPUT routine
                                                                                                     .TITLE
                                                                                                               LIBSGET_INPUT
                                                                                                     .PSECT _LIB$DATA,NOEXE, PIC,2
                                                                                 00000 SYS_INPUT_ISI:
                                                                          0000
                                                                                 00002 SYS_COMMAND_ISI:
                                                                                                     .PSECT
                                                                                                                _LIB$CODE,NOWRT, SHR, PIC,2
                                                     49 24 53 59 53 00000 P.AAA:
                                                                                                     .ASCII
                                                                                                               \SYS$INPUT\<0><0><0>
                                                                                                     EXTRN
EXTRN
EXTRN
                                                                                                               LIB$ANALYZE_SDESC_R2
LIB$SCOPY_R_DX6
LIB$_FATERRCIB, LIB$_INPSTRTRU
                                                                                 00000
00002
00005
00007
00000
00010
00012
                                                                                                     .ENTRY
                                                                                                                LIB$GET_INPUT, Save nothing
                                                                                                                P.AAA
                                                                 EF
                                                                                                     PUSHAB
                                                                             9F
91
                                                                                                     PUSHL
                                                                                                               SYS_INPUT_ISI
                                                         000000000
                                                                                                     PUSHAB
                                                                                                     CMPB
                                                                                                                                                                              0523
                                                                                                     BLSSU
                                                                                                                12(AP)
                                                                 00
```

LII

04 12 00015 7E D4 00017 1s: CLRL -(SP) 03 11 00019 BRB 3\$ 0C AC DD 00018 2\$: PUSHL OUTLEN 06 91 00012 BLSSU 4\$ 08 AC D5 00023 TSTL 8(AP) 04 12 00026 BNEQ 5\$ 7E D4 00028 4\$: CLRL -(SP) 03 11 0002A BRB 6\$ 08 AC DD 0002C 5\$: PUSHL PROMPT STRING 04 AC DD 0002C 6\$: PUSHL GET_STRING 04 AC DD 00037 RET	Page 7 (3)
04 12 00026 7E D4 00028 4\$: CLRL -(SP) 03 11 0002A BRB 6\$ 08 AC DD 0002C 5\$: PUSHL PROMPT STRING 04 AC DD 0002F 6\$: PUSHL GET_STRING 04 AC DD 00032 CALLS #6, DO_GET 04 00037 RET	0521 0520 0530

- 8 LIBSGET_INPUT 16-Sep-1984 01:00:46 14-Sep-1984 12:38:58 VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBGETINP.832;1 Page GLOBAL ROUTINE LIBSGET_COMMAND (! Input string from SYS\$COMMAND GET_STRING, PROMPT_STRING, Adr. of string descriptor Adr of optional PROMPT_STRING descriptor OUTLEN Number of chars returned) = ! Value returned is RMS completion ! code code FUNCTIONAL DESCRIPTION: A line from the current controlling input device, SYS\$COMMAND, is obtained. If an optional PROMPT STRING is given, output will appear on the device, SYS\$COMMAND, if the device is a terminal; otherwise the PROMPT STRING is ignored. No CRLF is appended to the record obtained from RMS. On first call, device SYS\$COMMAND is opened.

Thus the user can assign the logical name SYS\$COMMAND to any file name in order to redirect I/O. Note: Generally LIB\$GET_INTPUT should be used rather than LIB\$GET_COMMAND.

LIB\$GET_COMMAND should only be used when the user has indicated that the terminal is explicitly wanted when in an indirect file. For example, \$INQUIRE or /COMFIRM qualifier.

Normally, SYS\$INPUT and SYS\$COMMAND are the same file (interactive and batch). It is only when an interactive user uses an indirect file that the devices are different (SYS\$INPUT = indirect file, SYS\$COMMAND remaining associated with the terminal). 055554567890005566456789000555777890005588334567890005588334567890005588334567890055883345678900565883456789005658834567890056588345678900565883456789005658834567890056588345678900565883456789005658834567890056588345678 with the terminal). CALLING SEQUENCE: RET_STATUS.wlc.v = LIB\$GET_COMMAND (get_string.wt.dx [.prompt_string.rt.dx [.outlen.ww.r]]) INPUT PARAMETERS: is the address of a string descriptor specifying an optional prompt which is output to the controlling input device. Where other conventions are not established, it is recommended for consistency to make prompts be an English word followed by a colon(:), one (1) space, and no prompt_string CRLF. **OUTPUT PARAMETERS:** is the address of string descriptor of any type (unspecified, static, dynamic, or varying as specified by the DSCSB_CLASS field) which is to receive the string. (See Chapter 2 -- Section on passing strings as output parameters for the semantics of each string type.)

Is the number of characters returned to the get_string outlen caller.

LIBSGET_INPUT	N B 16-Sep-1984 01:00:46 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:38:58 [LIBRTL.SRC]LIBGETINP.B32;1	Page 9 (4)						
313 0588 314 0589 315 0590 316 0591	IMPLICIT INPUTS: SYS_COMMAND_ISI Set on first call to RMS internal stream identifier.							
318 0593 319 0594	1 IMPLICIT OUTPUTS:							
320 0595 321 0596 322 0597 323 0598	SYS_COMMAND_ISI Set to RMS internal stream identifier on first call when SYS\$COMMAND is OPENed.							
324 0599 325 0600	1!							
327 0602 328 0603	SSS_NORMAL if success.							
318 0593 320 0595 321 0596 322 0597 323 0598 324 0599 325 0600 327 0602 328 0603 329 0604 331 0606 332 0607 333 0608 333 0618 334 0619 341 0616 342 0617 343 0618 344 0619 345 0620 346 0621 347 0622 348 0623 349 350 0626 357 0628	LIB\$_INPSTRTRU if input string is bigger than the caller's fixed length string. LIB\$_INVARG if the input descriptor's class is not a recognized string type. RMS\$_xyz if any RMS error.							
334 0609 335 0610	SIDE EFFECTS:							
336 0611 1 337 0612 1 338 0613 1	Opens file SYS\$COMMAND on first call and remembers ISI for subsequent calls.							
340 0615 341 0616	BEGIN							
343 0618 344 0619	BUILTIN NULLPARAMETER;							
345 0620 346 0621 347 0622	RETURN DO GET (.GET_STRING, ! String to return (If NULLPARAMETER (2) THEN O ELSE .PROMPT_STRING),! Optional							
348 0623 349 0624	prompt string							
349 0624 2 350 0625 2 351 0626 2 352 0627 2 353 0628 2 354 0629 2 355 0630 2 356 0631 2	(IF NULLPARAMETER (3) THEN O ELSE .OUTLEN), ! Optional ! number of ! chars returned							
	SYS_COMMAND_ISI, ! internal stream id for SYS\$COMMAND 11. ! length of SYS\$COMMAND string UPLIT ('SYS\$COMMAND')); ! name to open first time							
356 0631 357 0632	UPLIT ('SYS\$COMMAND')); ! name to open first time ! End of LIB\$GET_COMMAND routine							
, 55.								
00 44	4E 41 4D 4D 4F 43 24 53 59 53 00044 P.AAB: .ASCII \SYS\$COMMAND\<0>	•						
	0000 00000 .ENTRY LIB\$GET_COMMAND, Save nothing EF AF 9F 00002 PUSHAB P.AAB 0B DD 00005 PUSHL #11 00000000° EF 9F 00007 PUSHAB SYS_COMMAND_ISI	0531 0630 0621						
	OB DD 00005 PUSHL #11 00000000° EF 9F 00007 PUSHAB SYS COMMAND ISI 03 6C 91 0000D CMPB (AP), #3	0625						

LI

LIBSGET_INPUT 1-015		B 9 16-Sep-1984 01:00:46 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:38:58 [LIBRTL.SRC]LIBGETINP.B32;1	Page 10 (4)
	02	05	0622
	0000V CF	03 11 0002A BRB 6\$ AC DD 0002C 5\$: PUSHL PROMPT STRING AC DD 0002F 6\$: PUSHL GET_STRING 06 FB 00032 CALLS #6, DO_GET 04 00037 RET	0621
: Routine Size: 56 byte	s, Routine Base: _LIBS	CODE + 0050	

LIB 1-C

Page 11 (5)

```
First call, initialize FAB
                        BEGIN
SFAB_INIT
                                        (FAB = FAB,
FAC = GET,
                                          FNA = .DEVICE_NAME,
                                                                              file name: DEVICE NAME (SYS$INPUT or SYS$COMMAND)
                                                                                   file name size:
9 or 11 bytes
                                          FNS = .DEVICE_NAME_LEN);
                            Open DEVICE_NAME, remember RMS internal stream identifier
0761
                         RET_STATUS = SOPEN (FAB = FAB);
                                                                                        ! fab addr : FAB
0762
0763
0764
0765
0766
0767
0768
0769
                         ! If the OPEN fails, return the RMS status code.
                         IF ( NOT .RET_STATUS) THEN RETURN (.RET_STATUS);
                         $RAB_INIT (FAB = FAB, RAB = RAB);
RET_STATUS = $CONNECT (RAB = RAB); ! connect RAB to the file
0773
0774
0775
0776
0777
0778
0779
0780
                         ! Similarly, if the CONNECT fails, return the RMS status code.
                         IF ( NOT .RET_STATUS) THEN RETURN (.RET_STATUS);
                         GET_ISI [0] = .RAB [RAB$W ISI];
END ! of first call
                                                                                        ! remember ISI
0781
0782
0783
0784
0785
0786
0787
0788
0789
0791
0793
0795
0796
0797
0798
0799
0800
0801
                  ELSE
                            file already open, just initialize RAB including internal stream identifier returned from first $OPEN
                        BEGIN ! file aready open

$RAB_INIT (FAB = FAB, RAB = RAB);

RAB_[RAB$W_ISI] = .GET_ISI [O];

END; ! file aready open
               Determine which buffer area to read into, and how long it is.
Use LIBSANALYZE_SDESC_R2 to get length and address of 1st data byte
               of caller's buffer.
If the descriptor is invalid, return status returned by LIBSANALYZE_SDESC_R2.
                             .GET_STRING [DSCSB_CLASS] GTRU DSCSK_CLASS_D
                         THEN
                                                  ! Use generalized extraction
                               BEGIN
                               LOCAL RET_STATUS :
RET_STATUS = LIBSANALYZE_SDESC_R2 ( .GET_STRING ;
```

```
LIBSGET_INPUT
                                                                                                          16-Sep-1984 01:00:46
14-Sep-1984 12:38:58
                                                                                                                                                 VAX-11 Bliss-32 V4.0-742
LIBRTL.SRCJLIBGETINP.B32:1
                          GET_STRING_LEN,
GET_STRING_ADDA );
    IF NOT .RET_STATUS THEN RETURN (.RET_STATUS);
                                                            END
                                                     ELSE
                                                                               ! Fetch length and address directly
                                                           GET_STRING_LEN = .GET_STRING [DSCSW_LENGTH];
GET_STRING_ADDR = .GET_STRING [DSCSA_POINTER];
                                          If GET_STRING is dynamic, we arrange to read onto a area of the stack since the dynamic string may not be allocated. However, if the dynamic string happens to be allocated and if it contains more space than we would have used (256 bytes), then
                                           we should use the space that the caller has provided.
                                              IF .GET_STRING [DSC$B_CLASS] EQL DSC$K_CLASS_D AND .GET_STRING_LEN LSSU K_DYN_STR_MAX
                                                    BEGIN
GET_STRING_LEN = K_DYN_STR_MAX;
GET_STRING_ADDR = DYNAMIC_STR_BUF;
                                          If GET_STRING was varying, the length we want is MAXSTRLEN, not CURLEN as returned by LIB$ANALYZE_SDESC_R2.
                                                   .GET_STRING [DSC$B_CLASS] EQL DSC$K_CLASS_VS
                                              THEN
                                                    GET_STRING_LEN = .GET_STRING [DSC$W_MAXSTRLEN]; END:
                          0840
0841
0842
0843
0844
0845
0846
0846
0847
0848
0853
0853
0853
0856
0857
0858
                                          Set up RAB buffer address and length fields based on our computations.
                                              RAB [RAB$L_UBF] = .GET_STRING_ADDR;
RAB [RAB$W_USZ] = .GET_STRING_LEN;
                                           Setup prompt buffer address and size in RAB if PROMPT_STRING string present. If Prompt string descriptor invalid, return status returned
                                          BY LIBSANALYZE SDESC R2.
                                              IF ( NOT NULLPARAMETER (2)) THEN
                                                     BEGIN
                                                         .PROMPT_STRING [DSC$B_CLASS] GTRU DSC$K_CLASS_D
                                                     THEN
                                                                                Use generalized extraction
```

RET_STATUS = LIBSANALYZE_SDESC_R2 (.PROMPT_STRING ;

LOCAL RET_STATUS

```
6 9
16-Sep-1984 01:00:46
14-Sep-1984 12:38:58
LIBSGET_INPUT
                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742
ELIBRTL.SRCJLIBGETINP.832;1
                                                                                                                                                                                                                                    Page 15 (5)
                                                                  PROMPT_STRING_LEN,
RAB [RAB$L_PBF] );!addr.

IF NOT .RET_STATUS THEN RETURN (.RET_STATUS);
                             7589012345555555990123456060609
                                                          ELSE
                                                                                        ! Fetch length and address directly
                                                                  BEGIN
                                                                  PROMPT_STRING_LEN = .PROMPT_STRING [DSC$W_LENGTH];
RAB [RAB$L_PBF] = .PROMPT_STRING [DSC$A_POINTER];
                                                          RAB [RABSB_PSZ] = MINU (255, .PROMPT_STRING_LEN);
RAB [RABSV_PMT] = 1;
                                                Input the string as a single record Return RMS error status if not RECORD TOO BIG or RECORD STREAM ACTIVE.
                                                On record stream active, wait and try again.
                                                   GET_STATUS = $GET (RAB = RAB);
                                                    IF NOT .GET_STATUS
     610
                                                    THEN
                                                          BEGIN WHILE (.RAB [RAB$L_STS] EQL RMS$_RSA) DO
                                                                  SWAIT (RAB = RAB);
GET_STATUS = $GET (RAB = RAB);
                                                          END:
                                               Having read the record, we now have to worry about the semantics of GET_STRING.

If GET_STRING has fixed-length semantics, we must blank fill the tail end of the buffer that RMS didn't fill.
    If GET_STRING has dynamic semantics, the input got read into an area on the stack (or in the user's buffer) and needs to be copied to GET_STRING.

If GET_STRING has varying string semantics we need to adjust the CURLEN field to reflect how many bytes it really contains.
                                                   CASE .GET_STRING [DSC$B_CLASS]
FROM DSC$R_CLASS_Z TO DSC$K_CLASS_SB OF
                                                              Classes with fixed-length string semantics
                                                          CDSCSK_CLASS_Z,
DSCSK_CLASS_S,
DSCSK_CLASS_A,
DSCSK_CLASS_SD,
DSCSK_CLASS_NCA,
DSCSK_CLASS_SB]:
BEGIN
                                                                                                          Unspecified
Scalar
                                                                                                           Array
                                                                                                          Scaled decimal
     640
641
642
643
                                                                                                          Non-contigious array
String with bounds
                                                                                        ! fixed length processing
```

LIB 1-0

```
LIBSGET_INPUT
                                                                                               16-Sep-1984 01:00:46
14-Sep-1984 12:38:58
                                                                                                                                   VAX-11 Bliss-32 V4.0-742
CLIBRTL.SRCJLIBGETINP.B32;1
                                                        Because we opened the file in MOVE mode and used the caller's string as the UBF, we need only blank pad the
    area beyond the string; the actual data has been moved into the front of the user's string by RMS.
                                                    GET_STRING_LEN - .RAB [RABSW_RSZ],
GET_STRING_ADDR + .RAB [RABSW_RSZ]);
END;
                        ! To denote copy success
                                                  Classes with varying string semantics
                                                     $k_CLASS_VS]: ! Varying string
BEGIN ! varying length processing
(.GET_STRING [DSC$A_POINTER])<0,16> = .RAB [RAB$W_RSZ];
! CURLEN <- bytes gotten</pre>
                                                LDSCSK_CLASS_VS]
                                                     RET_STATUS = 1:
                                                                                                              To denote copy success
                                                                       ! varying length processing
                                                  Classes with dynamic string semantics
Even if we had read into the user's buffer, we still must
                                                  ensure that the length is correct.
                                               [DSC$K_CLASS_D]: ! Dynamic string
BEGIN ! dynamic length processing
RET_STATUS = LIB$SCOPY_R_DX6 (.RAB [RAB$W_RSZ],
(IF _GET_STRING_LEN LSSU K_DYN_STR_MAX
                                                                                                            DYNAMIC_STR_BUF
                                                                                                   ELSE
                                                                                                .GET_STRING_ADDR),
                                                                       ! dynamic length processing
                                                     END:
                                               [INRANGE, OUTRANGE]:
                                                                                      Should never take this path since
                                                                                      a bad descriptor class code should have gotten caught the first time we tried to get GET_STRING's length
                                                                                      and address.
                                                           RETURN (LIBS_FATERRLIB);
                                          TES:
                                      If requested, tell the caller the number of bytes actually returned,
                                      not counting blank padding, if any.
                                         If ( NOT NULLPARAMETER (3))
THEN OUTLEN [0] = MINU (.RAB [RAB$W_RSZ], .GET_STRING_LEN);
                                      Return proper status code.
```

L IB\$6	ET_IN	IPUT								1	1 9 6-Sep-19 4-Sep-19	84 01:00 84 12:38):46	Page 1
70 70 70 70 70 70 70 71 71	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0975 0976 0977 0978 0979 0980 0981 0982 0983 0984 0985 0986 0987		THEN RETURN ELSE IF NO THEN RETURN THEN RETURN RETURN	I (L I · G I · R	S EQLU RMS IBS INPSTR GET_STATUS ET_STATUS RET_STATUS ET_STATUS SS_NORMAL;	TRU)	8	!		Record	too big	
												.EXTRN	SYSSUPEN, SYSSCONNECT SYSSGET, SYSSWAIT	
0	0050	8F		00		5B 5A 5E	00000000G FE6C 10		9E 9E 9E 9E 12	00002 00009 00010 00015 00018	DO_GET:		Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 SYS\$GET, R11 LIB\$ANALYZE SDESC_R2, R10 -404(SP), SP aGET_ISI 3\$ #0, (SP), #0, #80, \$RMS_PTR	063 074 075
					B0 C6 CF DC E4	AD AD AD AD	5003 18 14 80	000 CEC300 AF 202 CC ACD 01		00021 00023 00029 00020 00031 00036		MOVW MOVB MOVB MOVL MOVB PUSHAB	#20483, \$RMS PTR #2, \$RMS PTR + 22 #2, \$RMS PTR + 31 DEVICE NAME, \$RMS PTR + 44 DEVICE NAME LEN, \$RMS PTR + 52	076
0	044	8F		00		59 24 6E	•••	50 59 00	50 E9	00045 00048 00048		CALLS MOVL BLBC MOVC5	#1, SYSSOPEN RO, RET_STATUS RET_STATUS, 18 #0, (SP), #0, #68, \$RMS_PTR	076 076
					FF6C A8 00000000G	CD AD 00 59 03	FF6C 4401 80 FF6C	50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	80 9E 9F FB DUE 83 11 20	0003B 0003E 00045 00048 00052 00055 00065 00065	18:	MOVW MOVAB PUSHAB CALLS MOVL BLBS	#17409, \$RMS_PTR FAB, \$RMS_PTR+60 RAB #1, SYS\$CONNECT RO, RET_STATUS RET_STATUS, 2\$ 28\$ RAB+2, @GET_ISI	077 077
					10	BC	FF6E	CD 1C	31 B0 11	00072 00075 0007B 0007D	2\$:	BRW MOVW BRB MOVC5	28\$ RAB+2, aGET_ISI 4\$	077 074
O	0044	8F		00	FF6C A8 FF6E	6E CD AD CD 56 02		OO CD BF AD BC A66 A66 A66 A66 A66 A66 A66 A66 A66 A6	80 9E 80 00 91 18 00	00084 00087 0008E 00093 00099 0009D 000A1	38: 48:	MOVC5 MOVW MOVAB MOVW MOVL CMPB BLEQU MOVL JSB	4\$ #0, (SP), #0, #68, \$RMS_PTR #17409, \$RMS_PTR FAB, \$RMS_PTR+60 aget_ISI, RAB+2 get_String, R6 3(R6), #2 5\$ R6, R0 LIB\$ANALYZE_SDESC_R2	078 078 079

LIB 1-0

**F

LIBSGET_INPUT			16-Sep-19	984 01:00:46 984 12:38:58	VAX-11 Bliss-32 V4.0-742 ELIBRTL.SRCJLIBGETINP.B32;1	Page 19 (5)
			*,	163 163 173 173 183 163 163	-15\$ -15\$ -15\$ -15\$ -15\$	
		50 00000000G 00	9E 00174 16\$: 04 0017B 3C 0017C 17\$:	MOVAB LIE	S FATERRLIB, RO	0962
		50 8E AD 57 50	3C 0017C 17\$: 3C 00180 C2 00183	MOVAB LIE RET MOVZWL RAE MOVZWL GET SUBL2 RO, MOVC5 #0,	B+34, RO T_STRING_LEN, R1 , R1 , (SP), #32, R1, (R0)[GET_STRING_ADDR]	0924
51	20	51 50 6E 00	2C 00186	MOVES NO.	(SP), #32, R1, (R0)[GET_STRING_ADDR]	0925
	04	86 8E AD	2C 00186 0018B 11 0018D B0 0018F 18\$: D0 00194 19\$: 11 00197	BRB 195 MOVW RAB MOVL #1	8+34, 04(R6) RET_STATUS	0926 0935 0937 0904
	0100	8F 57 08 52 6E 52	B1 00199 20\$: 1E 0019E 9E 001A0	CMPW GET BGEQU 21S MOVAB DYN	RET_STATUS T_STRING_LEN, #256 NAMIC_STR_BUF, R2	0949
		51 52 50 000000006 00	11 001A6 D0 001A8 21\$: D0 001AB 22\$: 3C 001AE 16 001B2	BRB 195 MOVW RAB MOVL #11 BRB 235 CMPW GET BGEQU 215 MOVAB DYN MOVL RAB MOVL RAB JSB LIB MOVL RAB JSB LIB MOVL RAB LIB MOVZWL RAB CMPW GET BGEQU 245 MOVZWL RAB CMPW GET BGET BLBS GET MOVL RET BLBS RET	NAMIC_STR_BUF, R2 R1 T_STRING_ADDR, R1 R2 8+34, R0 BSCOPY_R DX6 RET_STATUS 6), #3 (AP) B+34, R0 T_STRING_LEN, R0 T_STRING_LEN, R0	0953 0948
		03 6C 15 0C AC	16 001B2 D0 001B8 91 001BB 23\$: 1F 001BE D5 001C0	MOVL RO, CMPB (AP BLSSU 251 TSTL 120	(AP)	0969
		50 8E AD 57 03	13 001C3 3C 001C5 B1 001C9 1E 001CC	MOVZWL RAB CMPW GET BGEQU 245	+34, RO _STRING_LEN, RO	0970
	000181A8	50 57 BC 50 8F 58	BO 001D1 24\$: D1 001D5 25\$:	MOVZWL GET	STRING LEN, RO BOUTLEN STATUS, #98728	0074
	000181A8	BC 50 8F 58 08 50 000000000 00	12 001DC 9E 001DE	BNEQ 26\$	S_INPSTRTRU, RO	0976
		04 58 50 58	04 001E5 E8 001E6 26\$: D0 001E9	RET BLBS GET MOVL GET	T_STATUS, 27\$	0978 0979 0981
		04 59 50 59	04 001EC E8 001ED 27\$: D0 001F0 28\$: 04 001F3	RET BLBS RET	T_STATUS, 29\$	0982 0984
		50 01	04 001F3 00 001F4 29\$: 04 001F7	RET MOVL #1, RET	, RO	0985 0987

; 714 0988 1 END ; 715 0989 1 !End of module LIB\$GET_INPUT

Page 20 (5)

VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBGETINP.B32:1

: 716

LIBSGET_INPUT

0990 0 ELUDOM

PSECT SUMMARY

Bytes

Attributes

_LIBSDATA

Name

NOVEC, WRT, RD .NOEXE.NOSHR. LCL. REL. CON. PIC.ALIGN(2)
RD . EXE, SHR. LCL. REL. CON. PIC.ALIGN(2)

Library Statistics

Processing ----- Symbols -----Pages File Loaded Percent Total Mapped Time _\$255\$DUA28:[SYSLIB]STARLET.L32:1 9776 87 00:00.8 581

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBGETINP/OBJ=OBJ\$:LIBGETINP MSRC\$:LIBGETINP/UPDATE=(ENH\$:LIBGETINP

Size: 616 code + 28 data bytes
Run Time: 00:11.7
Elapsed Time: 00:41.5
Lines/CPU Min: 5089
Lexemes/CPU-Min: 40128
Memory Used: 192 pages
Compilation Complete

0207 AH-BT13A-SE

DIGITAL EQUIPMENT CORPORATION CONFIDENTIAL AND PROPRIETARY

